

**WE CLAIM:**

1. A coated substrate comprising:
  - a substrate; and
  - a silane layer.
2. The coated substrate of claim 1 wherein said silane layer has a consistent surface energy with a contact angle consistency within +/- 8 degrees across its surface.
3. The coated substrate of claim 1 wherein said silane layer has a consistent surface energy with a contact angle consistency within +/- 6 degrees across its surface.
4. The coated substrate of claim 1 wherein said silane layer has a consistent surface energy with a contact angle consistency within +/- 4 degrees across its surface.
5. The coated substrate of claim 1 wherein said silane layer has a consistent surface energy with a contact angle consistency within +/- 2 degrees across its surface.
6. The coated substrate of claim 1 wherein said silane layer has a consistent surface energy with a contact angle consistency within +/- 1 degree across its surface.
7. The coated substrate of claim 2 wherein said substrate comprises glass.

The coated substrate of claim 7 wherein said glass is borosilicate glass.

8. The coated substrate of claim 7 wherein said glass is soda lime glass.
9. The coated substrate of claim 7 wherein said glass is pure silica.
10. The coated substrate of claim 2 wherein said substrate comprises a silicon wafer.
11. The coated substrate of claim 2 wherein said silane comprises 3-aminopropyltrimethoxysilane.
12. The coated substrate of claim 2 wherein said silane comprises 3-glydioxypropyltrimethoxysilane.
13. The coated substrate of claim 2 wherein said silane comprises an amino silane.
14. The coated substrate of claim 2 wherein said silane comprises a mercapto silane.
15. The coated substrate of claim 2 wherein said silane comprises an epoxy silane.